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APPLICANT : MATSUSHITA ELECTRIC WORKS LTD;

INVENTOR : AZUMABAYASHI YASURO;

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TITLE : CUTTING METHOD FOR PREPREG

ABSTRACT : PURPOSE: To obstruct resin powder, glass fiber powder and broken fiber which scatter from a cut surface, and prevent resin from adhering to a blade, by cutting a resin part of prepreg with laser, without carbonizing said part, and then cutting glass fiber of base material with the blade.

CONSTITUTION: Prepreg is resin-impregnated glass fiber base material in the B stage state of thermosetting resin wherein glass fiber base material is impregnated with resin and dried and semi-cured. When the above prepreg is further heated, the resin is fused and then cured. When the prepreg is cut by using laser, the prepreg is irradiated with the laser whose output is in the range that the resin of the prepreg is not carbonized which resin is impregnated in the glass fiber base material, and dried and semi-cured. Since the glass fiber of the base material of the prepreg can not be cut by the above laser output, the glass fiber which could not be cut with the laser is cut by using a blade such as a guillotin, a rotary cutter, a shearing cutter, and a saw blade. Thereby resin can be prevented from adhering to the blade.

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